

Dissemination of PrEP Innovations

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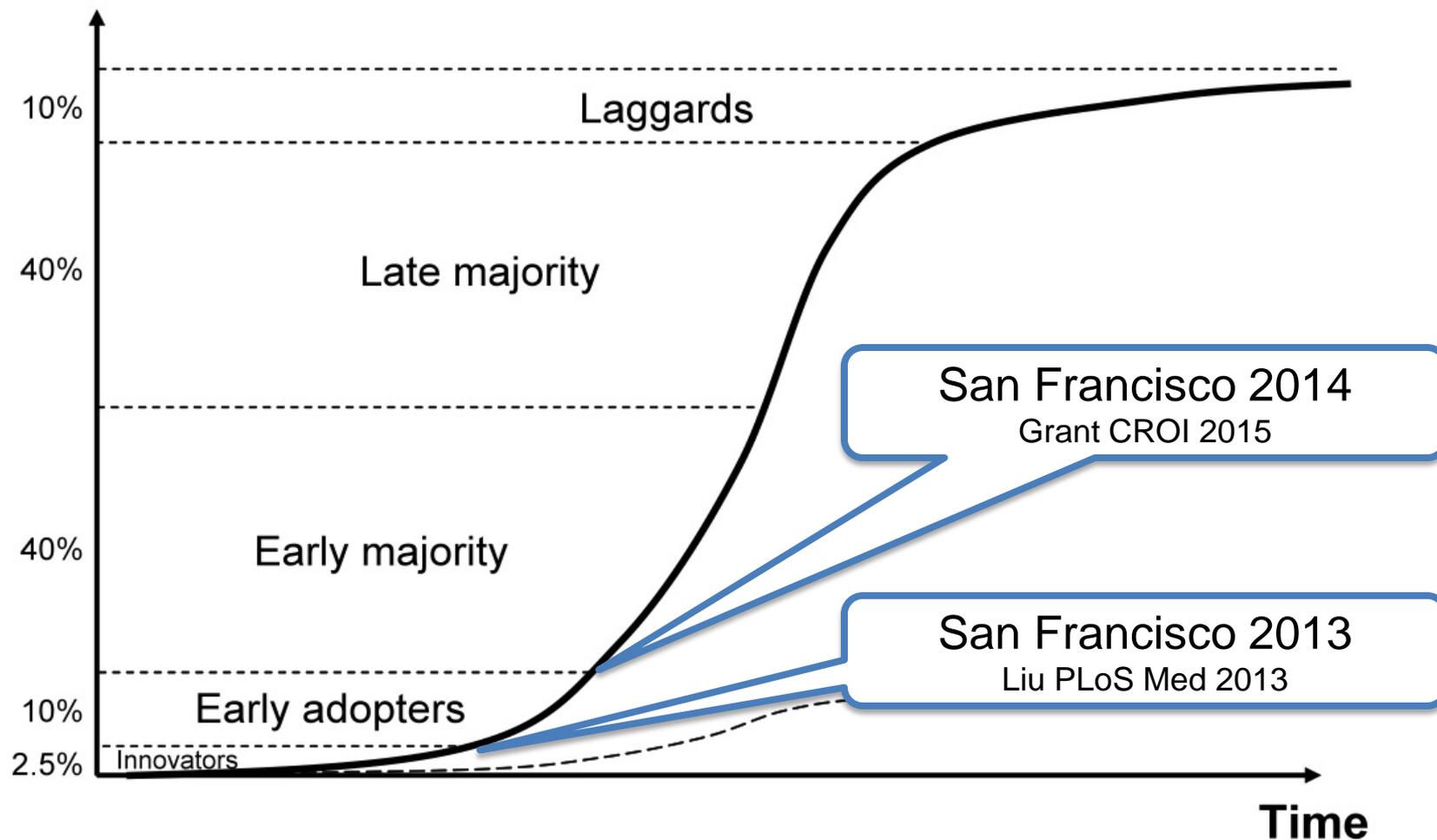
The Dissemination of PrEP Innovations

Outline

- Demand for PrEP in the US
 - Has reached a tipping point
- PrEP Uptake in San Francisco
 - Especially among people who benefit most
 - Diverse PrEP Providers
 - Including a Community Based Organization
- Impact on new infections in San Francisco

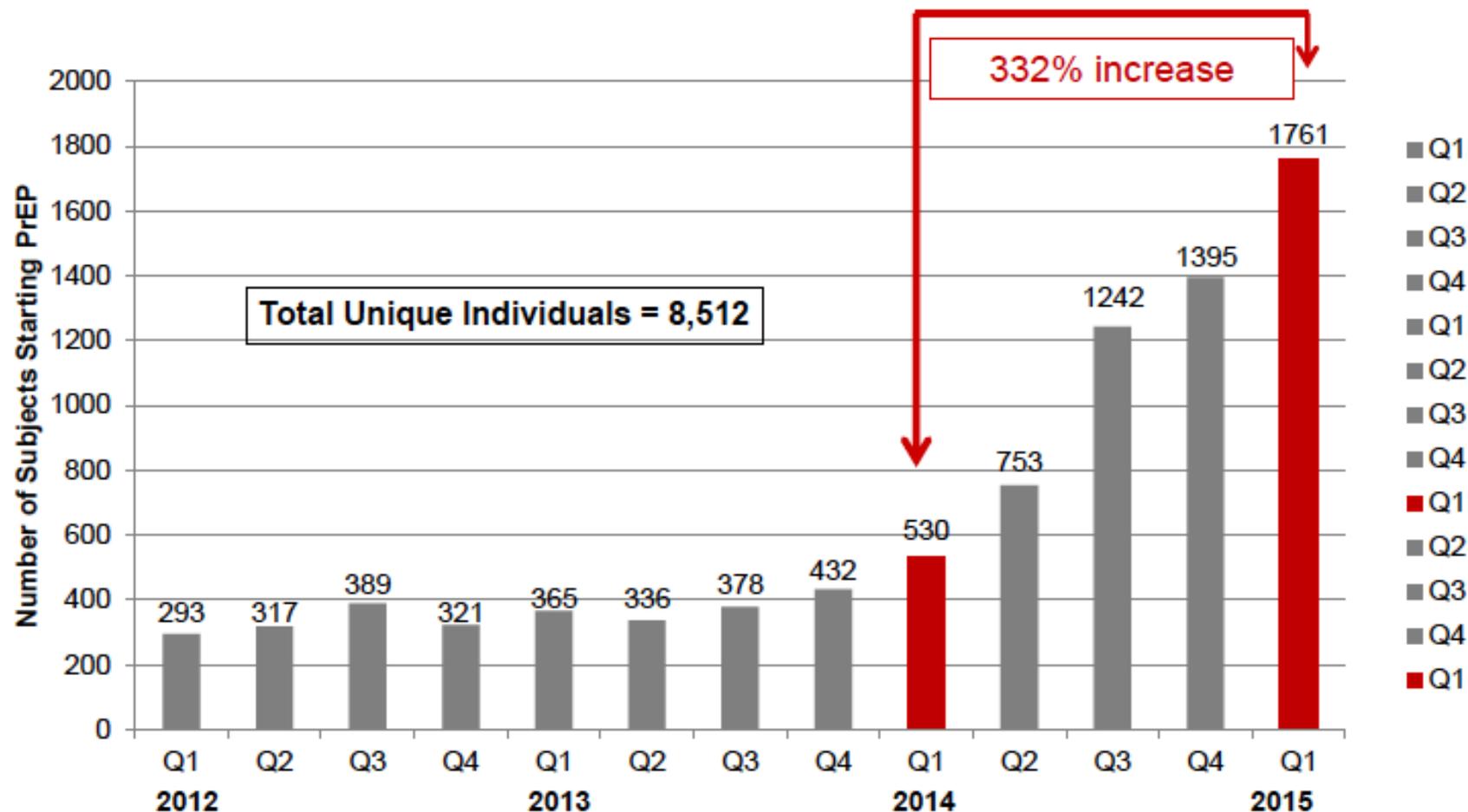
Dissemination of PrEP Innovation

Penetration of Target Market



USA post FDA-approval surveillance conducted by Gilead

New PrEP Starts per Quarter

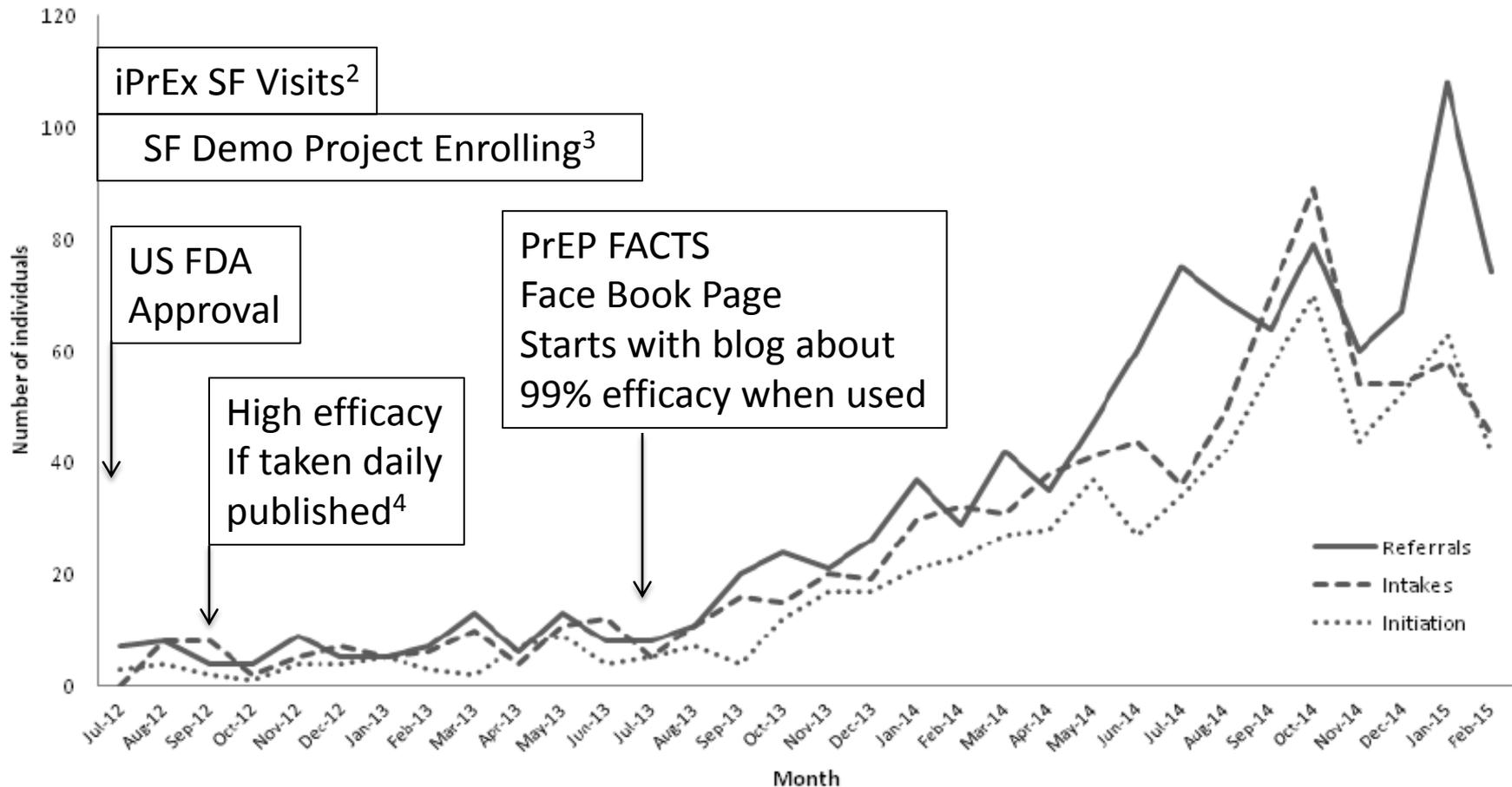


IMS National Prescription Database accounts for approx. 39% of all TVD prescriptions

Estimating Total US PrEP Uptake

- 8512 by Q1 2015 in National Pharmacy db
- 39% of prescriptions represented
- Estimated ~22000 PrEP users (8512/39%)
- Does not include
 - MediCAID Public insurance
 - Gilead Patient Assistance
 - Medication provided in demonstration projects

Demand for PrEP reaches a tipping point in San Francisco in the 3rd QTR 2013¹



1. Volk, CID 2015; 2. Grant Lancet ID 2014; 3. Cohen JAIDS 2015; 4. Anderson STM 2012.



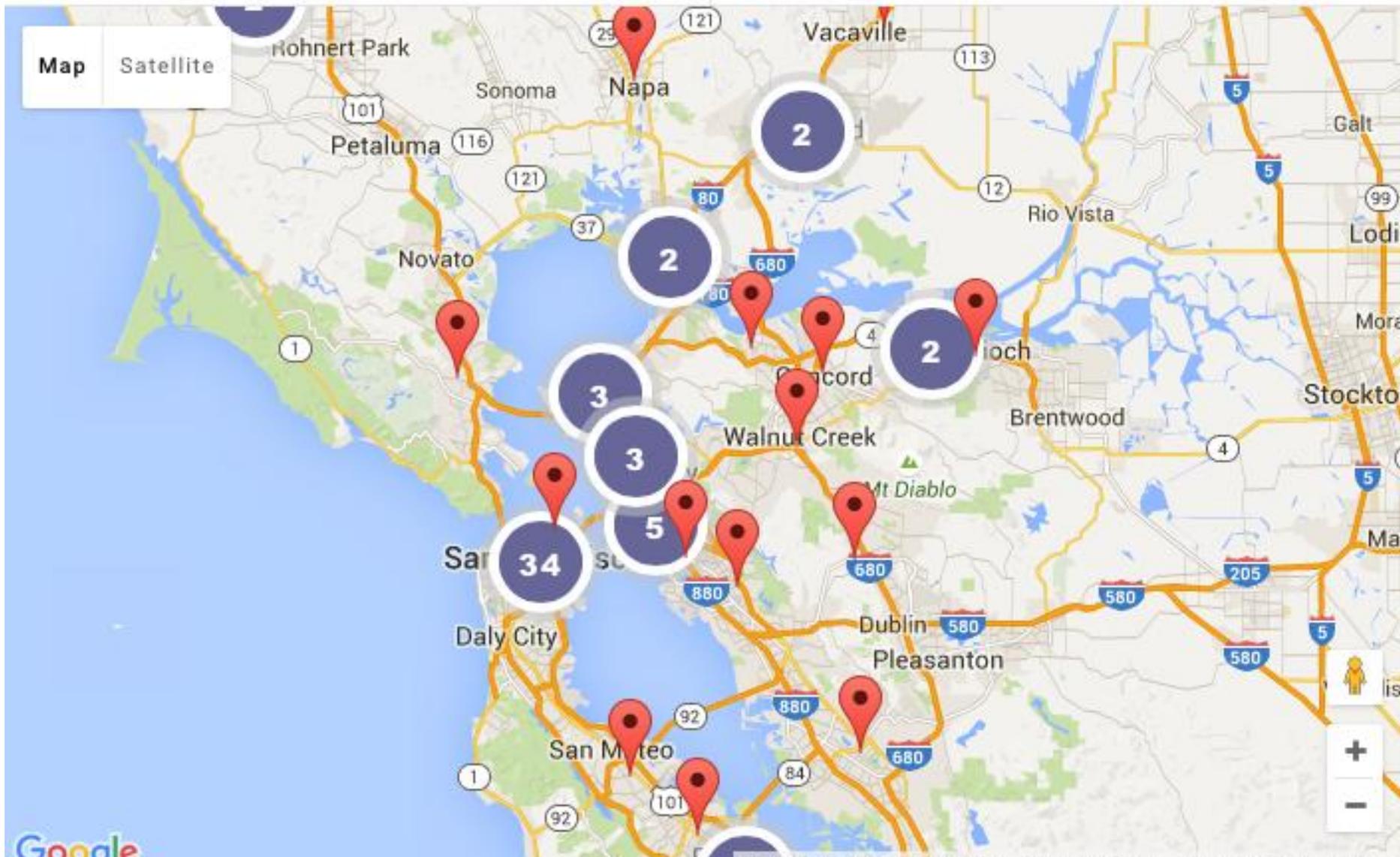
PREP CENTER FILTER



Map

Map

Satellite



PrEP Service Providers in SF Bay Area

- HIV/ID Specialty Clinics
 - UCSF, Kaiser, One Medical,
 - Private HIV/ID providers
 - HIVE Perinatal HIV Clinic
- Sexual Health Clinics
 - Municipal (City Clinic)
 - Community Based (Magnet)
- Student Health Services
 - UCB and UCSF
- General Practitioners
 - SFGH Family Health Center, other GPs

The San Francisco AIDS Foundation Magnet Sexual Health Services

- First PrEP client visited in November 16, 2014
 - >500 started PrEP in 9 months
- PrEP and PEP are provided
 - PrEP requesters sometimes qualify for PEP
 - PEP is transitioned without a gap to PrEP if risk is ongoing
 - Either PrEP or PEP is started the same day of screening
- Staffing
 - Directed and staffed by nurse practitioners
 - Peer Navigators (for adherence/insurance)
 - ID specialist on call
- Laboratory testing
 - Point of Care creatinine and HIV ab testing
 - Send out HBsAg
 - RNA testing in pools

nurx is the fastest way of getting oral contraceptives and PrEP



You tell us what medication you need.

Pick from our range of every day medications from contraceptives, to travel meds and refills. Then answer a few questions for our doctors.



Our doctors provide a prescription.

One of our doctors will review your request right away. If she needs more information or has relevant advice, she may call you before writing your prescription.



Medicine delivered to you in under 2 hours.

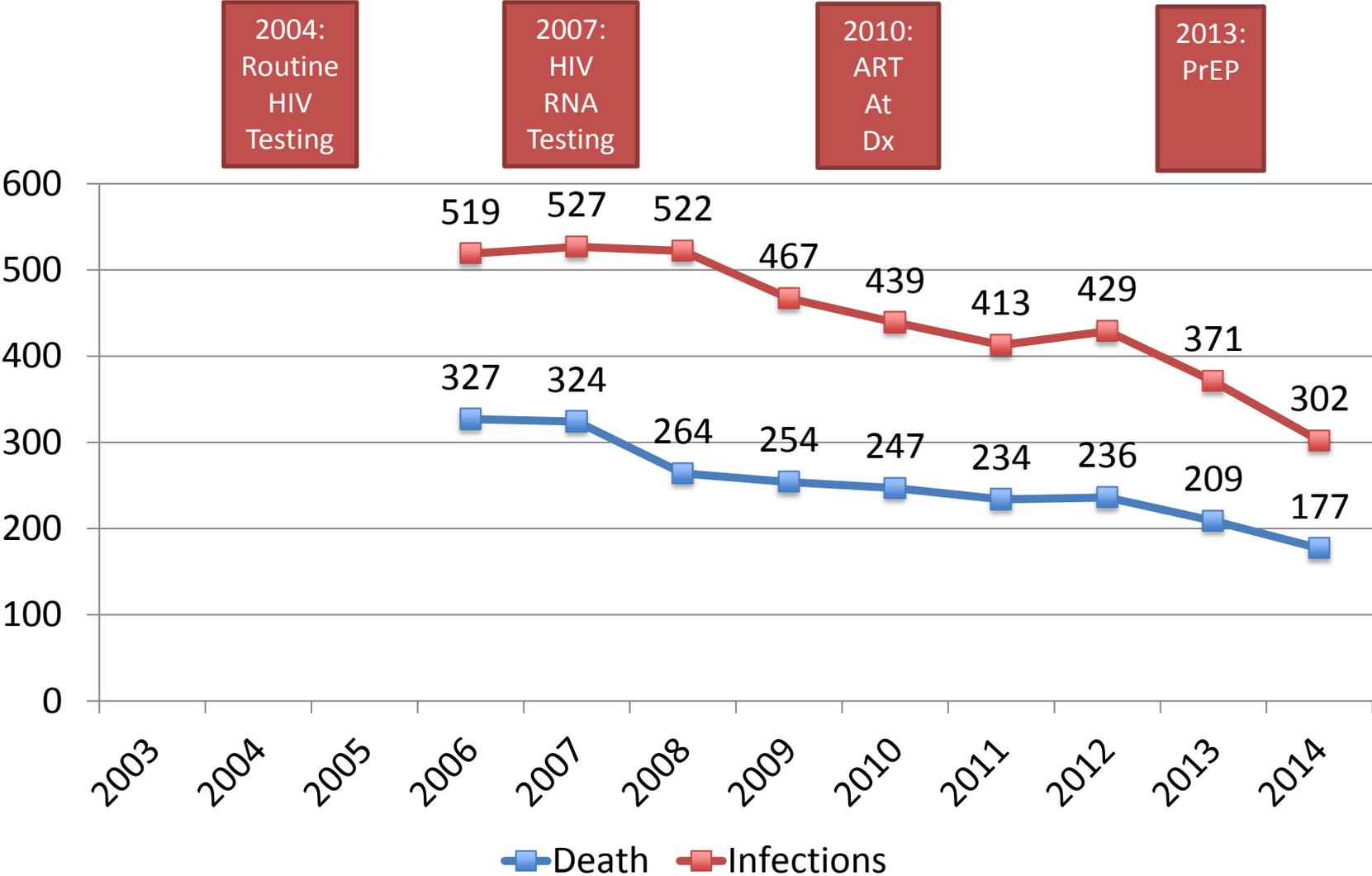
Our team of pharmacists will get your medications ready as soon as possible. Then we'll rush them to your door with one of our bike couriers.

PrEP Use by Sexual Practices in MSM: San Francisco, 2014

Condomless AI Partners last 6 months	Street Survey (% EVER on PrEP)	NHBS (% ANY PrEP In 12 mos)	SFCC (% CURRENT PrEP Use) ¹
0	9%	3%	8%
1	10%	4%	10%
2	11%	17%	16%
3-5	25%	30% ²	33%
6 or more	63%		46%
% on PREP	15.5%	10.1%	11.2%⁴
No. on PrEP		5,059	

1. SFCC asked specifically about condomless receptive anal intercourse partners.
2. NHBS collected detailed information on no more than 5 partners.
3. Percent using any PrEP in the past 12 months x 50,000 HIV negative population size.
4. Includes clients with missing data regarding ncRAI.

Epidemic Trends in San Francisco

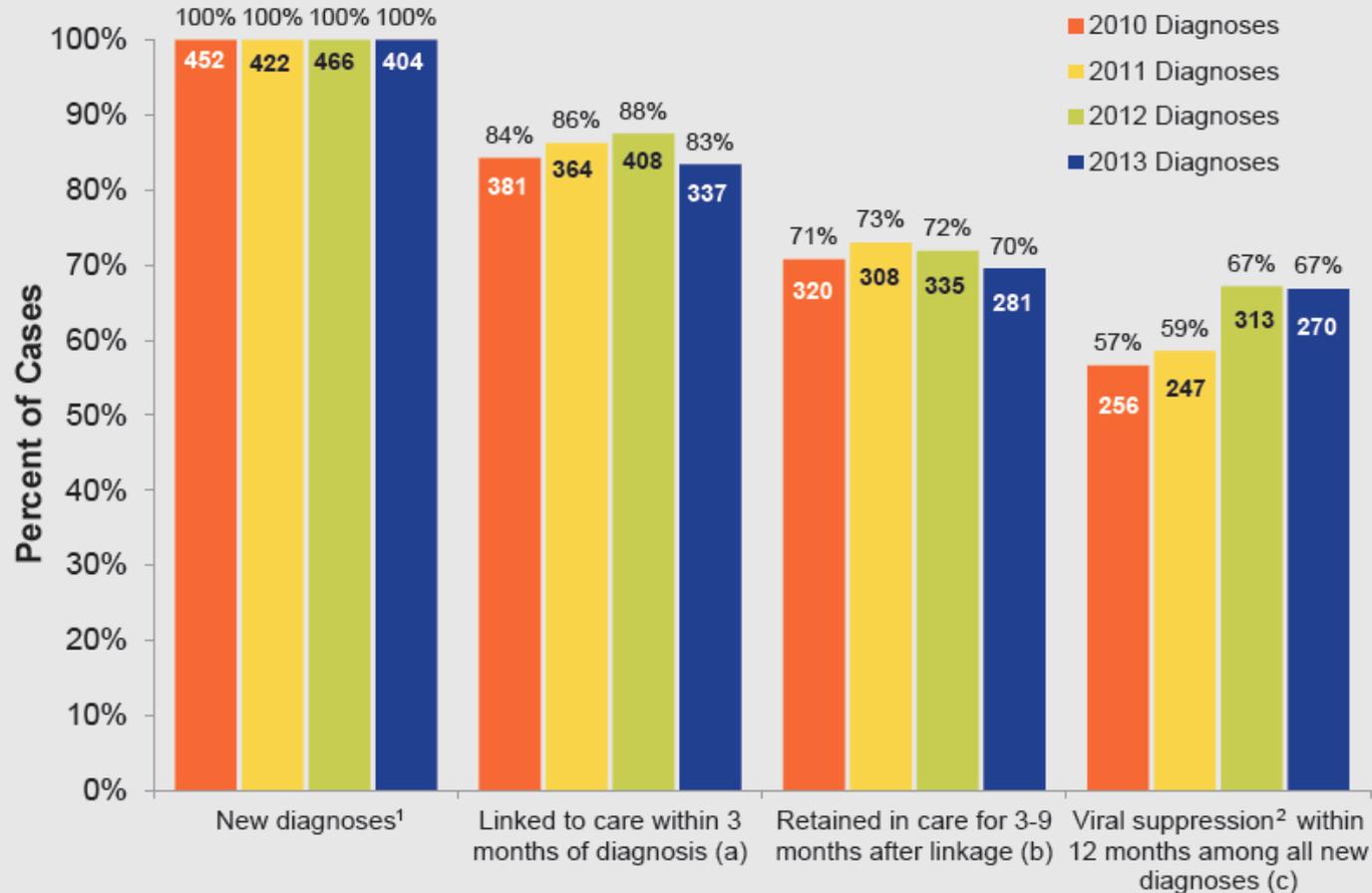


Adapted from SF DPH, HIV Epidemiology Annual Report, Published September 2014

Continuum of Care San Francisco

HIV diagnosis rates continue at 93%

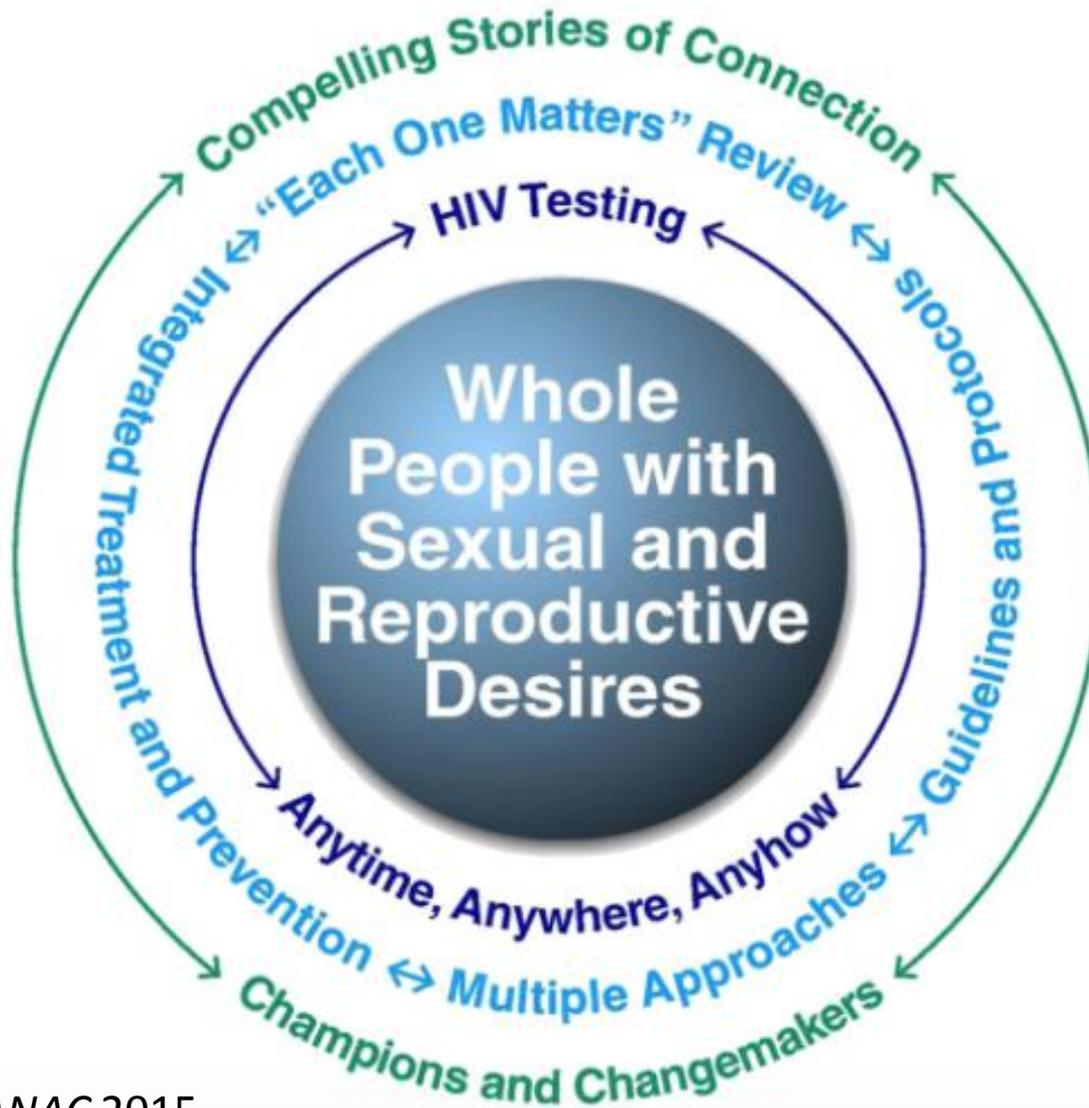
Figure 3.1 Continuum of HIV care among persons diagnosed with HIV infection, 2010-2013, San Francisco



1 Number of new diagnoses shown each year is based on the evidence of a confirmed HIV test and does not take into account patient self-report of HIV infection.

2 Defined as the latest viral load test during the specified period ≤ 200 copies/mL.

Lessons Learned From Perinatal Transmission Prevention



Conclusions

- Scale up has occurred in San Francisco and contributed to a decline in HIV infections.
 - PrEP uptake is higher during periods of risk.
- PrEP providers are diverse
 - Specialists and Generalists
 - CBOs
 - College Clinics
 - Sexual Health and Contraception Clinics
- Scale up of prevention services builds on...
 - focus on the whole person having sexual goals,
 - normative guidance,
 - program integration,
 - multiple approaches,
 - review of each failure,
 - change makers,
 - compelling stories of human connection.



PrEP was made possible
by mostly **young**
study participants
who believed that research
could **improve their lives**